

P20978.A04

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of the housing; a stator bonded to an upper end portion of an inner circumferential face of the circular hole; a lower ball bearing bonded to a lower side of an outer circumferential face of the fixed shaft, an upper ball bearing spaced by a certain interval from the lower ball bearing and bonded to an upper side of the outer circumferential face of the fixed shaft, and further comprising:

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a cylindrical hub with both ends open, the cylindrical hub having an inner protruding portion protruding from a central portion of an inner circumferential face of the hub and an outer protruding portion protruding from an upper side of the outer circumferential face of the hub, the inner protruding portion being fixedly provided between the lower ball bearing and the upper ball bearing;

a permanent magnet bonded to a lower side of an outer circumferential face of the outer protruding portion of the hub;

a disk mounted on an upper face of the outer protruding portion of the hub; and

a clamp fixed to the upper side of the hub by a bolt to mount the disk.

2. (Twice Amended - Clean Copy) A disk-spindle motor having: a base plate having a circular hole at a central portion of the base plate; a housing fixedly inserted into the circular hole of the base plate; a fixed cylindrical shaft formed unitarily with the housing at an upper central portion of the housing and having a jaw portion at a central portion of an